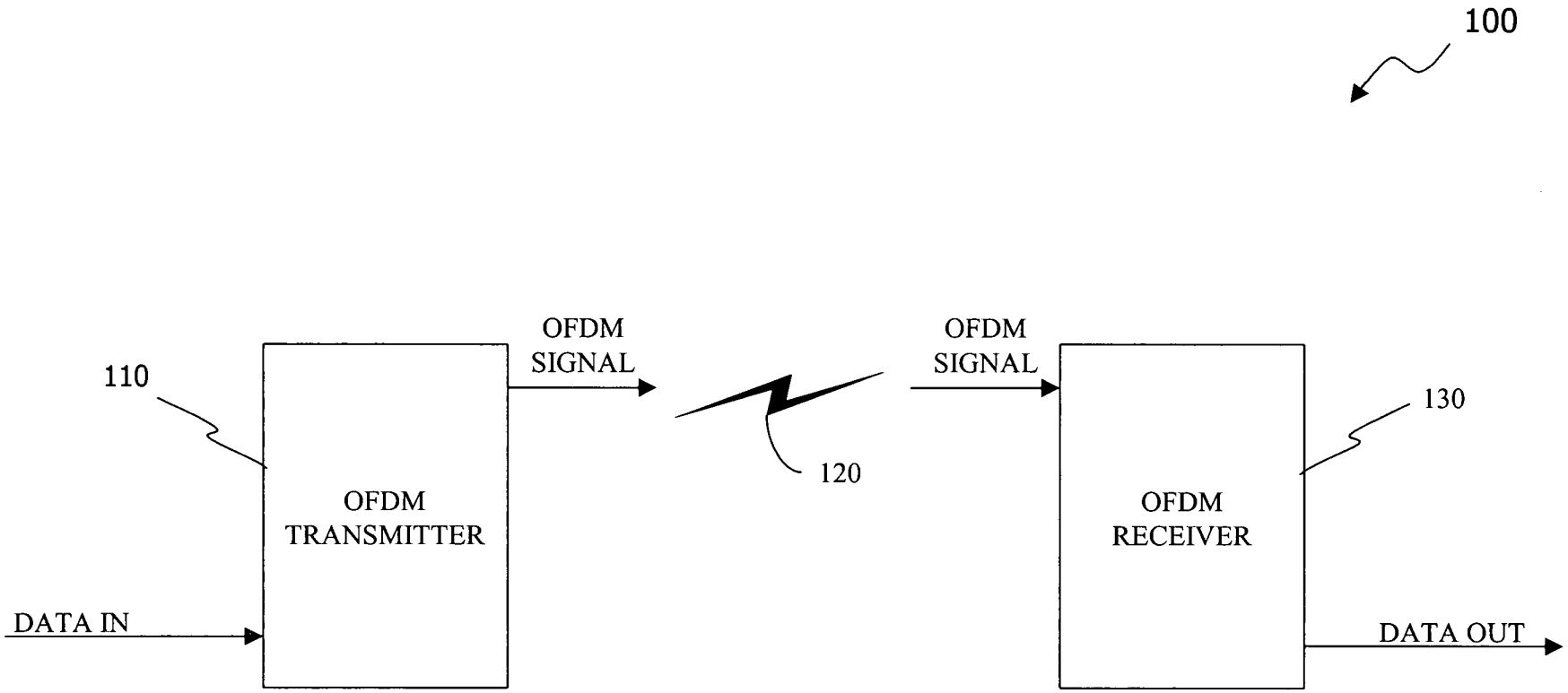
100
110
OFDM
TRANSMITTER
DATA IN
OFDM
SIGNAL
120
OFDM
SIGNAL
130
OFDM
RECEIVER
DATA OUT

FIGURE 1

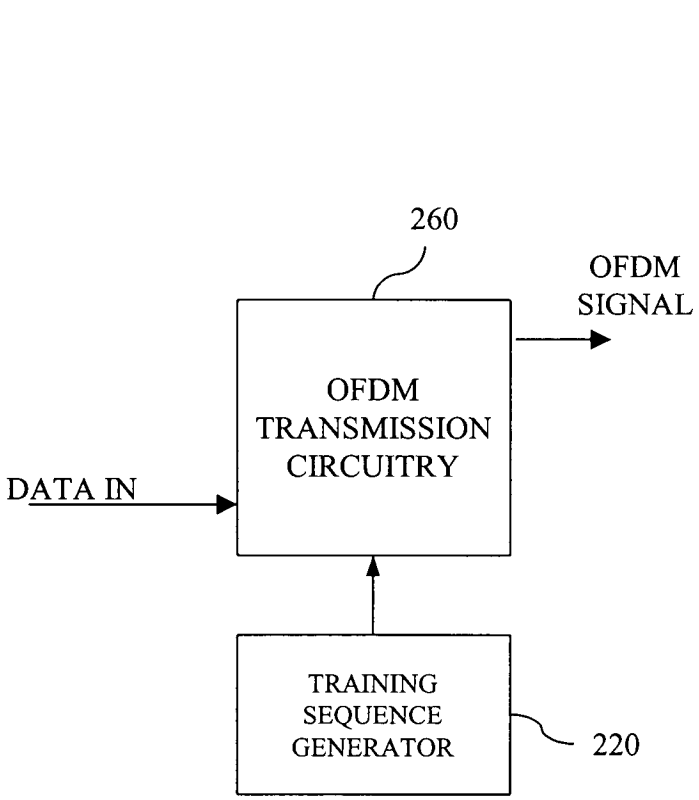
200
260
OFDM
SIGNAL
OFDM
TRANSMISSION
CIRCUITRY
DATA IN
TRAINING
SEQUENCE
GENERATOR
220

FIGURE 2

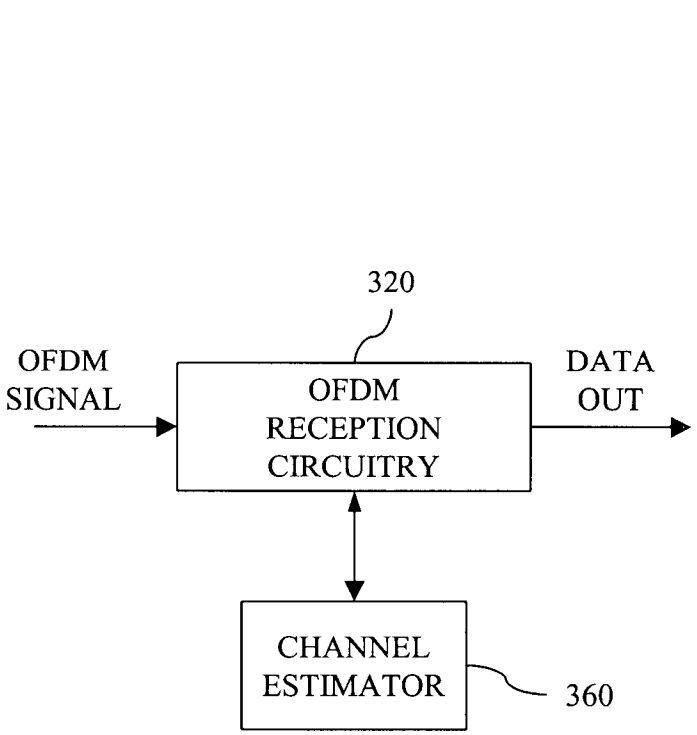
300
320
OFDM
SIGNAL
OFDM
RECEPTION
CIRCUITRY
DATA
OUT
CHANNEL
ESTIMATOR
360

FIGURE 3

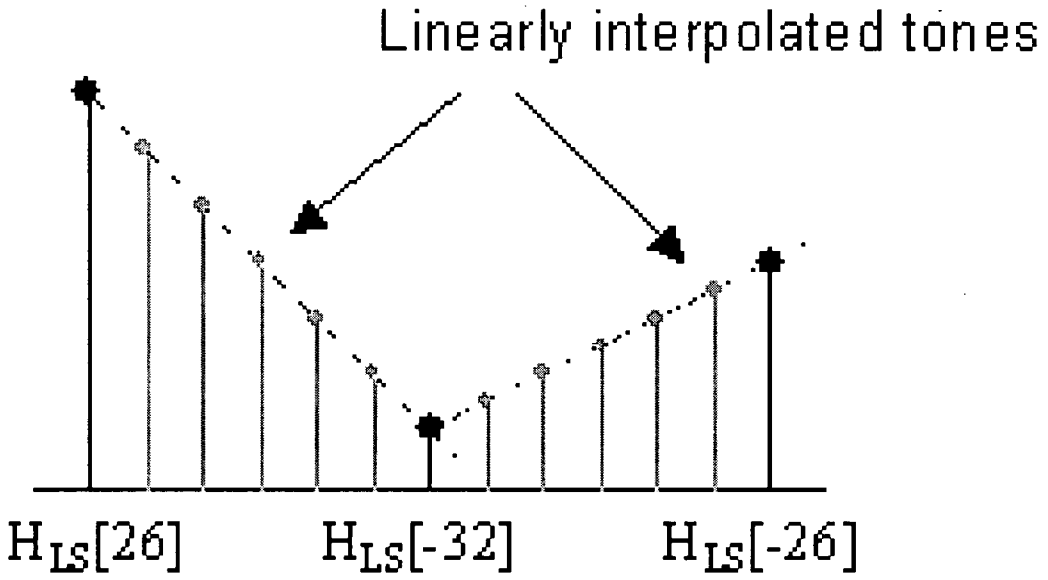

FIGURE 4

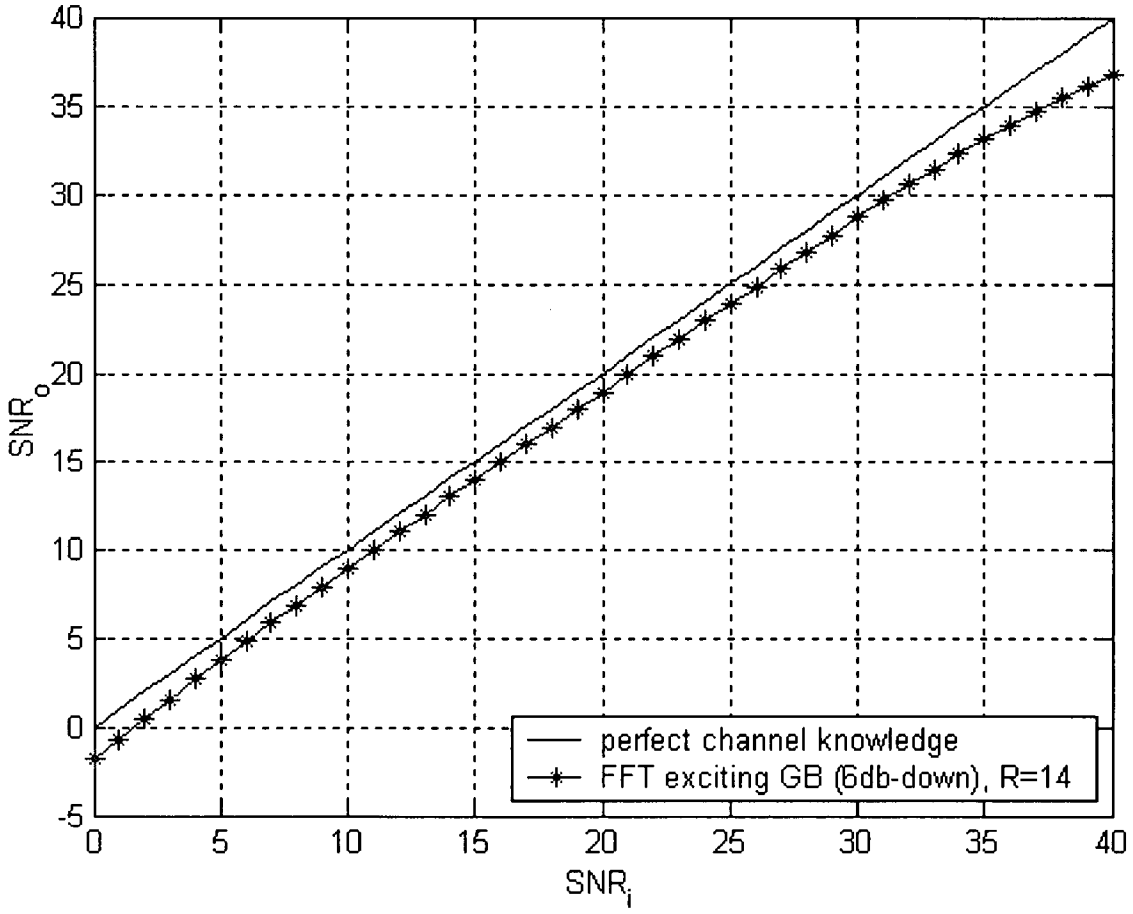
40
35
30
25
20
15
10
5
0
-5
0
5
10
15
20
25
30
35
40
SNR_o
SNR_i
perfect channel knowledge
FFT exciting GB (6db-down), R=14

FIGURE 5

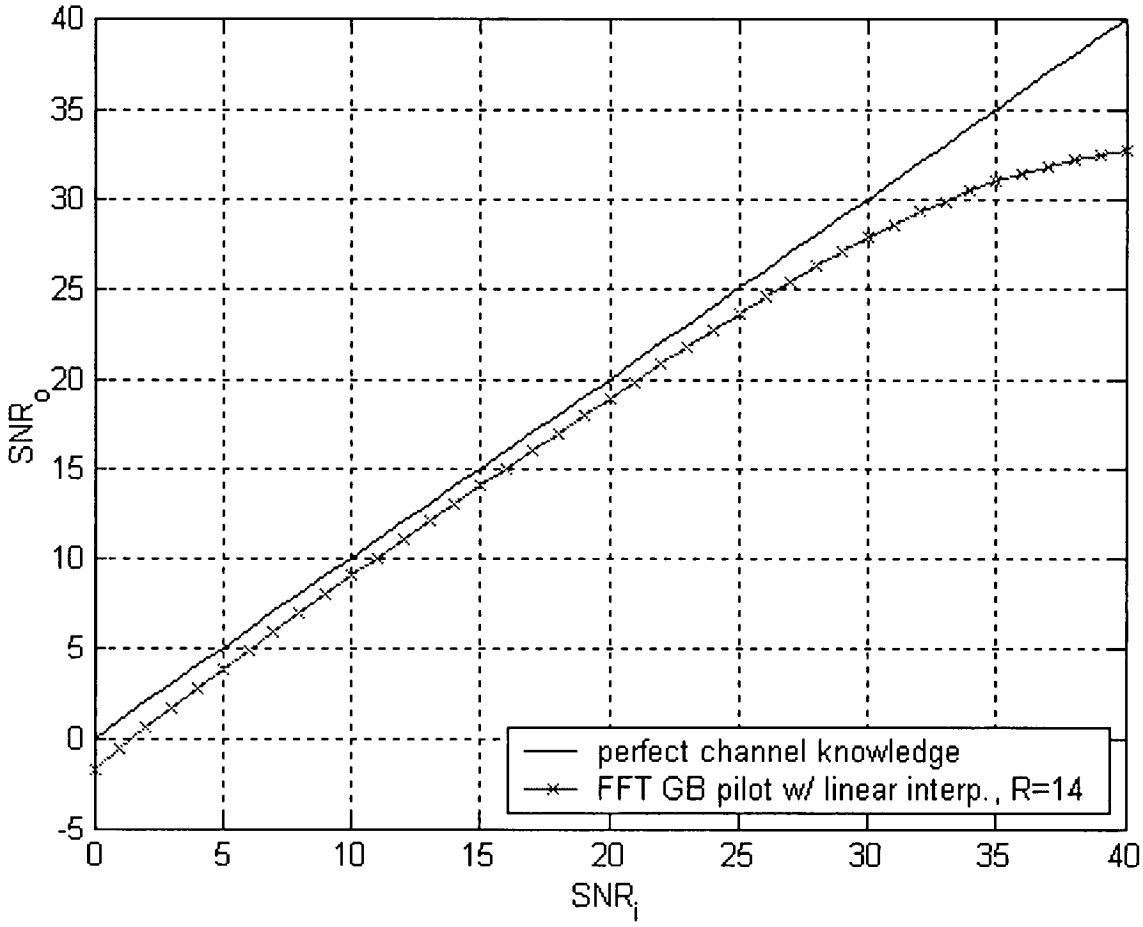
40
35
30
25
20
15
10
5
0
-5
0
5
10
15
20
25
30
35
40
SNR_o
SNR_i
perfect channel knowledge
FFT GB pilot w/ linear interp., R=14

FIGURE 6